

15.2, number 1: Sketch the region of integration in the xy -plane which is associated to the integral

$$\int_0^3 \int_0^{2x} f(x, y) dy dx.$$

Answer: For each fixed x with $0 \leq x \leq 3$, y goes from zero to $2x$. There is a picture on the next page.

Picture for 15.2 Number 1

